

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/561,345
Source: IFWP
Date Processed by STIC: 12/29/05

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/561,345

DATE: 12/29/2005

TIME: 15:00:36

Input Set : A:\05552.1463 Sequence Listing.txt
 Output Set: N:\CRF4\12292005\J561345.raw

3 <110> APPLICANT: Dade Behring Marburg GmbH
 5 <120> TITLE OF INVENTION: Novel surface protein (HBsAg) variant of the Hepatitis B
 virus
 7 <130> FILE REFERENCE: MA 1252
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/561,345
 C--> 9 <141> CURRENT FILING DATE: 2005-12-20
 9 <150> PRIOR APPLICATION NUMBER: DE 10328080.4
 10 <151> PRIOR FILING DATE: 2003-06-20
 12 <160> NUMBER OF SEQ ID NOS: 26
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 462
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Hepatitis B virus
 21 <400> SEQUENCE: 1
 22 gggggatcac ccgtgttct tggccaaaat tcgcagtccc caacacctcaa tcactcacca 60
 24 acctcctgtc ctccaatttg tcctggttat cgctggatgt gtctgcggcg ttttatcata 120
 26 ttccctttca tcctgtgtct atgcctcattc ttcttattgg ttcttctggta ttatcaaggt 180
 28 atgttgcggcg tttgtctct aattccagga tcaacaagaa ccagtagcggg acaatgc当地 240
 30 acctgcacga ctccctgtca aggcaactct atgttccct catgttgctg tacaaaacct 300
 32 acggatggaa attgcacccgt tattccatc ccattgtcct gggctttcgc aaaataccta 360
 34 tgggtgtggg cctcagtcgg ttctcttgg ctcagttac tagtgcatt tgtcgggtgg 420
 36 ttcgttagggc tttccccac tgggtggctt tcagctatat gg 462
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 225
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Hepatitis B virus
 44 <400> SEQUENCE: 2
 45 ccaggatcaa caagaaccag tacgggacaa tgcaaaaacct gcacgactcc tgctcaaggc 60
 47 aactctatgt ttccctcatg ttgtgtaca aaacctacgg atggaaatgg cacctgtatt 120
 49 cccatcccat tgcctggc ttgcacaaa tacctatggg tgcggccctc agtccgttcc 180
 51 tcttggctca gttactagt ggcattgtt cgggtggctc taggg 225
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 180
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Hepatitis B virus
 59 <400> SEQUENCE: 3
 60 ccaggatcaa caagaaccag tacgggacaa tgcaaaaacct gcacgactcc tgctcaaggc 60
 62 aactctatgt ttccctcatg ttgtgtaca aaacctacgg atggaaatgg cacctgtatt 120
 64 cccatcccat tgcctggc ttgcacaaa tacctatggg tgcggccctc agtccgttcc 180
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 165
 69 <212> TYPE: DNA
 70 <213> ORGANISM: Hepatitis B virus

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72 <400> SEQUENCE: 4
 73 ccaggatcaa caagaaccag tacggacaa tgcaaaacct gcacgactcc tgctcaaggc 60
 75 aactctatgt ttccctcatg ttgctgtaca aaacctacgg atggaaattg cacctgtatt 120
 77 cccatcccat tgtcctggc tttcgaaaa tacctatgg tgtgg 165
 80 <210> SEQ ID NO: 5
 81 <211> LENGTH: 60
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Hepatitis B virus
 85 <400> SEQUENCE: 5
 86 ccaggatcaa caagaaccag tacggacaa tgcaaaacct gcacgactcc tgctcaaggc 60
 89 <210> SEQ ID NO: 6
 90 <211> LENGTH: 30
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Hepatitis B virus
 94 <400> SEQUENCE: 6
 95 ccaggatcaa caagaaccag tacggacaa 30
 98 <210> SEQ ID NO: 7
 99 <211> LENGTH: 153
 100 <212> TYPE: DNA
 101 <213> ORGANISM: Hepatitis B virus
 103 <400> SEQUENCE: 7
 104 agaaccagta cgggacaaatg caaaacctgc acgactcctg ctcaaggcaa ctctatgttt 60
 106 ccctcatgtt gctgtacaaa acctacggat gggaaattgca cctgtattcc catccattg 120
 108 tcctgggctt tcgaaaaata cctatgggtg tgg 153
 111 <210> SEQ ID NO: 8
 112 <211> LENGTH: 18
 113 <212> TYPE: DNA
 114 <213> ORGANISM: Hepatitis B virus
 116 <400> SEQUENCE: 8
 117 agaaccagta cgggacaa 18
 120 <210> SEQ ID NO: 9
 121 <211> LENGTH: 96
 122 <212> TYPE: DNA
 123 <213> ORGANISM: Hepatitis B virus
 125 <400> SEQUENCE: 9
 126 ttgtcctggg ctttcgaaaa atacctatgg gtgtgggcct cagtcgttt ctcttggctc 60
 128 agtttactag tgccatttgt tcgggtggtc gttaggg 96
 131 <210> SEQ ID NO: 10
 132 <211> LENGTH: 51
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Hepatitis B virus
 136 <400> SEQUENCE: 10
 137 ttgtcctggg ctttcgaaaa atacctatgg gtgtgggcct cagtcgttt c 51
 140 <210> SEQ ID NO: 11
 141 <211> LENGTH: 36
 142 <212> TYPE: DNA
 143 <213> ORGANISM: Hepatitis B virus
 145 <400> SEQUENCE: 11
 146 ttgtcctggg ctttcgaaaa atacctatgg gtgtgg 36

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149 <210> SEQ ID NO: 12
150 <211> LENGTH: 154
151 <212> TYPE: PRT
152 <213> ORGANISM: Hepatitis B virus
154 <400> SEQUENCE: 12
156 Gly Gly Ser Pro Val Cys Leu Gly Gln Asn Ser Gln Ser Pro Thr Ser
157 1 5 10 15
160 Asn His Ser Pro Thr Ser Cys Pro Pro Ile Cys Pro Gly Tyr Arg Trp
161 20 25 30
164 Met Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe Ile Leu Leu Leu Cys
165 35 40 45
168 Leu Ile Phe Leu Leu Val Leu Leu Asp Tyr Gln Gly Met Leu Pro Val
169 50 55 60
172 Cys Pro Leu Ile Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys
173 65 70 75 80
176 Thr Cys Thr Thr Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys
177 85 90 95
180 Cys Thr Lys Pro Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu
181 100 105 110
184 Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp Ala Ser Val Arg Phe
185 115 120 125
188 Ser Trp Leu Ser Leu Leu Val Pro Phe Val Arg Trp Phe Val Gly Leu
189 130 135 140
192 Ser Pro Thr Val Trp Leu Ser Ala Ile Trp
193 145 150
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 75
198 <212> TYPE: PRT
199 <213> ORGANISM: Hepatitis B virus
201 <400> SEQUENCE: 13
203 Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
204 1 5 10 15
207 Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro
208 20 25 30
211 Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe
212 35 40 45
215 Ala Lys Tyr Leu Trp Val Trp Ala Ser Val Arg Phe Ser Trp Leu Ser
216 50 55 60
219 Leu Leu Val Pro Phe Val Arg Trp Phe Val Gly
220 65 70 75
223 <210> SEQ ID NO: 14
224 <211> LENGTH: 60
225 <212> TYPE: PRT
226 <213> ORGANISM: Hepatitis B virus
228 <400> SEQUENCE: 14
230 Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
231 1 5 10 15
234 Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro
235 20 25 30

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238 Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe
239 35 40 45
242 Ala Lys Tyr Leu Trp Val Trp Ala Ser Val Arg Phe
243 50 55 60
246 <210> SEQ ID NO: 15
247 <211> LENGTH: 55
248 <212> TYPE: PRT
249 <213> ORGANISM: Hepatitis B virus
251 <400> SEQUENCE: 15
253 Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
254 1 5 10 15
257 Pro Ala Gln Gly Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro
258 20 25 30
261 Thr Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe
262 35 40 45
265 Ala Lys Tyr Leu Trp Val Trp
266 50 55
269 <210> SEQ ID NO: 16
270 <211> LENGTH: 20
271 <212> TYPE: PRT
272 <213> ORGANISM: Hepatitis B virus
274 <400> SEQUENCE: 16
276 Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr
277 1 5 10 15
280 Pro Ala Gln Gly
281 20
284 <210> SEQ ID NO: 17
285 <211> LENGTH: 10
286 <212> TYPE: PRT
287 <213> ORGANISM: Hepatitis B virus
289 <400> SEQUENCE: 17
291 Pro Gly Ser Thr Arg Thr Ser Thr Gly Gln
292 1 5 10
295 <210> SEQ ID NO: 18
296 <211> LENGTH: 51
297 <212> TYPE: PRT
298 <213> ORGANISM: Hepatitis B virus
300 <400> SEQUENCE: 18
302 Arg Thr Ser Thr Gly Gln Cys Lys Thr Cys Thr Thr Pro Ala Gln Gly
303 1 5 10 15
306 Asn Ser Met Phe Pro Ser Cys Cys Cys Thr Lys Pro Thr Asp Gly Asn
307 20 25 30
310 Cys Thr Cys Ile Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu
311 35 40 45
314 Trp Val Trp
315 50
318 <210> SEQ ID NO: 19
319 <211> LENGTH: 6
320 <212> TYPE: PRT

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321 <213> ORGANISM: Hepatitis B virus
323 <400> SEQUENCE: 19
325 Arg Thr Ser Thr Gly Gln
326 1 5
329 <210> SEQ ID NO: 20
330 <211> LENGTH: 36
331 <212> TYPE: PRT
332 <213> ORGANISM: Hepatitis B virus
334 <400> SEQUENCE: 20
336 Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp Ala
337 1 5 10 15
340 Ser Val Arg Phe Ser Trp Leu Ser Leu Leu Val Pro Phe Val Arg Trp
341 20 25 30
344 Phe Val Gly Leu
345 35
348 <210> SEQ ID NO: 21
349 <211> LENGTH: 20
350 <212> TYPE: PRT
351 <213> ORGANISM: Hepatitis B virus
353 <400> SEQUENCE: 21
355 Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp Ala
356 1 5 10 15
359 Ser Val Arg Phe
360 20
363 <210> SEQ ID NO: 22
364 <211> LENGTH: 15
365 <212> TYPE: PRT
366 <213> ORGANISM: Hepatitis B virus
368 <400> SEQUENCE: 22
370 Pro Ile Pro Leu Ser Trp Ala Phe Ala Lys Tyr Leu Trp Val Trp
371 1 5 10 15
374 <210> SEQ ID NO: 23
375 <211> LENGTH: 22
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial Sequence
379 <220> FEATURE:
380 <223> OTHER INFORMATION: Primer 1
382 <400> SEQUENCE: 23
383 gggtcaccat attctggga ac 22
386 <210> SEQ ID NO: 24
387 <211> LENGTH: 26
388 <212> TYPE: DNA
389 <213> ORGANISM: Artificial Sequence
391 <220> FEATURE:
392 <223> OTHER INFORMATION: Primer 2
394 <400> SEQUENCE: 24
395 tatacccaa gacaaaagaa aattgg 26
398 <210> SEQ ID NO: 25
399 <211> LENGTH: 21

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date